

(19) 日本国特許庁 (J P)

(12) 公開特許公報 (A)

(11) 特許出願公開番号

特開平11-104167

(43) 公開日 平成11年(1999) 4月20日

(51) Int.Cl.⁸

識別記号

F I

A 6 1 F 13/15

A 6 1 F 13/18

3 7 0

審査請求 有 請求項の数5 F D (全 5 頁)

(21) 出願番号 特願平9-289057

(22) 出願日 平成9年(1997)10月6日

(71) 出願人 000001959

株式会社資生堂

東京都中央区銀座7丁目5番5号

(72) 発明者 増田 優

神奈川県横浜市港北区新羽町1050 株式会

社資生堂第一リサーチセンター内

(72) 発明者 高橋 隆久

神奈川県横浜市港北区新羽町1050 株式会

社資生堂第一リサーチセンター内

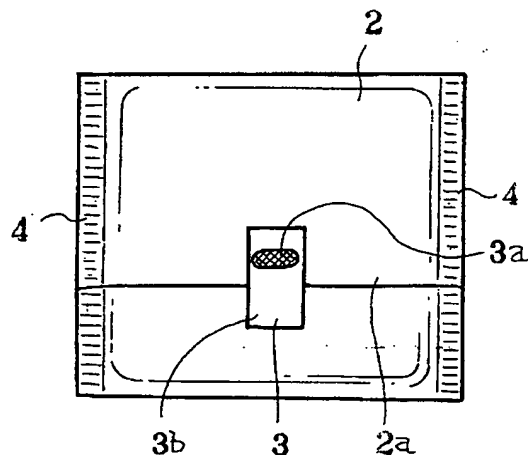
(74) 代理人 弁理士 竹内 裕

(54) 【発明の名称】 生理用品等の個別包装具

(57) 【要約】

【課題】 生理用品等を個別に包装するカバーシートの包装安定性を損なうことなく開封作業性を改善して止着テープを再使用することができるようにしたものである。

【解決手段】 生理用品等を個別に包装したカバーシート(2)の開封縁(2a)を止着テープ(3)で止着するようにした個別包装具において、前記止着テープ(3)の根元側の止着部の接着強度を、個包装フィルムの両側を封止するサイドシールを開放するに充分な強度として、止着テープにより個包装フィルムの開放を可能とすると共に、止着テープの先端側の剥離部の接着強度を、個包装フィルムを破損しない程度の強度としたことを特徴とする。



【特許請求の範囲】

【請求項1】生理用品等を個別に包装する個包装フィルムの開封縁を止着テープで止着し、該止着テープの根元側に形成した止着部を個包装フィルムの開封縁の表面にホットメルトで固定し、先端側に形成した剥離部を個包装フィルムの開封縁の外方に延出させて個包装フィルムに剥離自在に接着した生理用品等の個別包装具において、止着テープの根元側の止着部の接着強度を、個包装フィルムの両側を封止するサイドシールを開放するに十分な強度として、止着テープにより個包装フィルムの開封を可能とすると共に、止着テープの先端側の剥離部の接着強度を、個包装フィルムを破損しない程度の強度としたことを特徴とする生理用品等の個別包装具。

【請求項2】個包装フィルムに対する止着テープの先端側の剥離部の剥離強度を10～400g/15mmとしたことを特徴とする請求項1記載の個別包装具。

【請求項3】個包装フィルムに対する止着テープの先端側の剥離部の剥離強度を40～380g/15mmとしたことを特徴とする請求項1記載の個別包装具。

【請求項4】個包装フィルムに対する止着テープの先端側の剥離部の剥離強度を100～250g/15mmとしたことを特徴とする請求項1記載の個別包装具。

【請求項5】止着テープの根元側の接着強度を、個包装フィルムのサイドシールの接着強度と少なくとも等しく、好ましくはこれより大きくしたことを特徴とする請求項1乃至4のいずれかに記載の個別包装具。

【発明の詳細な説明】

【0001】

【発明の属する技術分野】この発明は、生理用品等を個別に包装するために用いる包装具に関する。

【0002】

【従来の技術】従来から、例えば図6に示したように、薄く且柔軟なポリエチレン、ポリプロピレン等の樹脂フィルムにより形成した個包装フィルム(2)で生理用品等(1)を個別に包み込むことにより、複数個の生理用品等(1)をワンパックとして箱或いはバッグに包装する場合、或いは個別に携行する場合に収納スペースが大きくなるようにすると共に、携行時における内容物の汚損等を防止している。又上記のように生理用品等(1)を包み込む個包装フィルム(2)の包装安定性を確保するために、従来では同図に示したように粘着テープで形成した止着テープ(3)を用いて個包装フィルム(2)の開封縁を止着し、開封時はこの止着テープ(3)を摘んで個包装フィルム(2)を開封するようにしていた。

【0003】ところが、止着テープ(3)の接着力を弱くして開封時における止着テープ(3)の剥離性を高くすると、取扱中に止着テープ(3)が外れたり、或いは、使用後の生理用品等(1)を廃棄のために個包装フィルム(2)で包装して止着テープ(3)で止めようとする時、図7に示すように止着テープ(3)がはがれて止着が不十分とな

る可能性がある。一方、止着テープ(3)の接着力が強過ぎる場合は、図8に示すように開封時に止着テープ(3)が容易に剥がれず個包装フィルム(2)を破いてしまうおそれがあり、破断した個包装フィルムが止着テープ(3)の接着面に接着して被覆してしまうため、廃棄時に止着テープ(3)を再使用することができないという不具合があった。又、上記のような問題は、図9に示すように生理用品を個包装フィルム(2)内に包み込んで、止着テープ(3)で止着して包装する場合にも見られた。図9の場合、個包装フィルム(2)の上面に生理用品を乗せて、個包装フィルムと生理用ナプキンの両側を一緒に折り畳んだ後、長手方向に三折りして、止着テープ(3)で止着するようにしてある。

【0004】

【発明が解決しようとする課題】この発明は、生理用品等を個別に包装する個包装フィルムの包装安定性を損なうことなく開封作業性を改善し、止着テープの剥離に引き続いて個包装フィルムの開封を容易に行い得るようにすると共に、使用後の生理用品等を個包装フィルムで包んで止着するために止着テープを再使用可能とした個別包装具を提供せんとするものである。

【0005】

【課題を解決するための手段】上記課題を解決するためにこの発明が採った手段は、生理用品等を個別に包装する個包装フィルムの開封縁を止着テープで止着し、該止着テープの根元側に形成した止着部を個包装フィルムの開封縁の表面にホットメルトで固定し、先端側に形成した剥離部を個包装フィルムの開封縁の外方に延出させて個包装フィルムに剥離自在に接着した生理用品等の個別包装具において、止着テープの根元側の止着部の接着強度を、個包装フィルムの両側を封止するサイドシールを開放するに十分な強度として、止着テープにより個包装フィルムの開封を可能とすると共に、止着テープの先端側の剥離部の接着強度を、個包装フィルムを破損しない程度の強度としたことを特徴とする。

【0006】又、個包装フィルムに対する止着テープの先端側の剥離部の剥離強度を10～400g/15mm、好ましくは40～380g/15mm、更に好ましくは100～250g/15mmとしたことを特徴とする。

【0007】更に、止着テープの根元側の接着強度を、個包装フィルムのサイドシールの接着強度と少なくとも等しく、好ましくはこれより大きくしたことを特徴とする。

【0008】

【発明の実施の形態】以下に図1～図3を参照しつつ、この発明の好ましい実施の形態を詳細に説明する。尚、図1～5において、図6～9に示した従来例と同一機能を有する部分には同一の符号を付してその詳細な説明を省略する。図1～5を参照して、生理用品等(1)を個別に包み込む個包装フィルム(2)は、薄く且柔軟なポリエ

チレン、ポリプロピレン等の樹脂フィルムにより形成され、包み込み状態における個包装フィルム(2)の開封縁(2a)を止着テープ(3)で止着している。止着テープ(3)は、前記開封縁(2a)の表面に接着固定される根元側の止着部(3a)と、開封縁(2a)の外方に延出した先端側の剥離部(3b)で形成され、剥離部(3b)を個包装フィルム(2)の表面に貼り付けることにより、個包装フィルム(2)の包装安定性を確保している。個包装フィルム(2)の対向する両側はサイドシール部(4)でシールされ、生理用品等(1)を収納している。尚、かかる個別包装具は従来公知であり、個包装フィルム(2)及び止着テープ(3)の構成、材質等は特に限定されるものではなく、従来公知のいずれの構成、材質であってもよい。

【0009】この発明は、かかる個別包装具において、止着テープ(3)の止着部(3a)を個包装フィルム(2)の開封縁(2a)の表面にホットメルトで固定して、剥離部(3b)を個包装フィルム(2)の開封縁(2a)の外方に延出させ、該剥離部(3b)の接着度を、個包装フィルム(2)を破断しない程度の強さとする共に、止着テープ(2)の止着部の接着強度を、個包装フィルムのサイドシール(4)の接着力と等しいか若しくは大きくして、開封時に止着テープが個包装フィルムから外れることがないようにしたことを特徴としている。尚ホットメルトを行なうに際しては、図1、2に網かけで示したように、止着テープ(3)の止着部(3a)にホットメルト接着剤を塗布して個包装フィルム(2)の開封縁(2a)の表面に接着*

* 固定した後に従来公知の適当な手段でホットメルト接着剤を加熱熔融させて所定の接着力を得る。

【0010】止着テープ(3)の止着部(3a)は、ホットメルトにより補強した場合、しなかった場合に比して表1に示すように接着強度が上昇している。ホットメルトは、1mm×10mmの面積で0.005g塗工したが、塗工面積若しくは塗工量を増減することにより、接着強度の加減が可能であり、必要に応じて塗工面積と量を調整して所要の接着強度を得る。止着テープ(3)の剥離部(3b)の接着強度は、個包装フィルム(2)を破断しない強度とし、テープの幅を15mmとした場合10~400g/15mm、好ましくは40~380g/15mm、最も好ましくは100から250g/15mmである。接着強度が10gよりも低いと再接着力が不十分となり、使用後の生理用品等(1)を個装フィルムに包んで廃棄するときに止着テープ(3)で止着することが出来なくなる。

又、400gよりも高いと止着テープを剥離するときに個包装フィルムが破断されるおそれがある。止着テープ(3)の止着部(3a)の接着強度は、個包装フィルム(2)のサイドシール部(4)のシール強度より少なくとも等しく、好ましくはサイドシール部(4)のシール強度よりも大きく設定する。サイドシール部(4)の接着力は、5~400g/個装であり、実測値では10~300g/個装であった。

【0011】

【表1】

ホットメルト補強無し	130	114	200	210	112	183
ホットメルト補強有り	276	243	277	390	246	307

【0012】包装された生理用品等(1)を取り出す場合は、図3に示すように、止着テープ(3)の剥離部(3b)を指先等で引きはがしつつ、この剥離部(3b)を摘んでサイドシール部(4)を破断して、個包装フィルム(2)を開封する。このとき、止着テープ(3)の剥離部(3b)にはホットメルト接着剤を塗布しておらず、止着テープ(3)の裏面に塗布されている粘着剤による接着力で個包装フィルム(2)に貼り付けられているのみであるから、剥離部(3b)を容易に引き剥すことができるにも拘らず、止着部(3a)が個包装フィルム(2)から外れてしまうことはない。

【0013】従って、止着テープ(3)の接着力を必要以上に強くして開封時あるいは取扱中における止着テープ(3)の外れを回避する必要性がなく、剥離部(3b)の引きはがし時に懸念される個包装フィルム(2)の破れを予防することができる。よって、止着テープ(3)の止着部(3a)と剥離部(3b)で粘着剤を塗り分けて両部(3a)(3b)の接着力を異ならせる必要性がなく、止着テープ

(3)の製造コストの上昇を回避することができる。

【0014】尚、止着テープ(3)の止着部(3a)をホットメルトで固定するに際しては、通常は図4に網かけで示したように、止着部(3a)の一部にホットメルト接着剤を塗布して個包装フィルム(2)の開封縁(2a)に接着すればよいが、図5に網かけで示したように止着部(3a)の全面にホットメルト接着剤を塗布して接着面積を拡大したものであってもよく、或いは、個包装フィルム(2)の開封縁(2a)側にホットメルト接着剤を塗布してこの塗布部分に止着テープ(3)の止着部(3a)を貼り付けてもよい。

【0015】

【発明の効果】この発明に係る生理用品等の個別包装具によれば、剥離性を損なわない適度な接着力の止着テープを個包装フィルムの開封縁に充分な接着力で接着させることができるために、取扱中等に見られる止着テープのはがれ等を回避して包装安定性を高くすることができるにも拘らず、開封時に懸念される個包装フィルムの破

れを回避して止着テープを再使用することができる。

【図面の簡単な説明】

【図1】この発明に係る生理用品等の個別包装具による包装状態を示す外観斜視図

【図2】この発明に係る生理用品等の個別包装具による他の包装状態を示す外観斜視図

【図3】この発明に係る生理用品等の個別包装具の開封状態を示す外観斜視図

【図4】ホットメルト接着剤の塗布領域を示す止着テープの裏面図

【図5】ホットメルト接着剤の塗布領域の一変形を有する止着テープの裏面図

【図6】生理用品等の個別包装具の従来例を示す開封時の斜視図

*【図7】生理用品等の個別包装具の廃棄の状態を示す斜視図

【図8】生理用品等の個別包装具の他の従来例を示す開封時の斜視図

【図9】生理用品等の個別法装具の更に他の従来例を示す斜視図

【符号の説明】

(1) 生理用品等

(2) 個包装フィルム

(2a) 開封縁

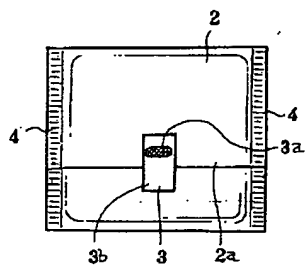
(3) 止着テープ

(3a) 止着部

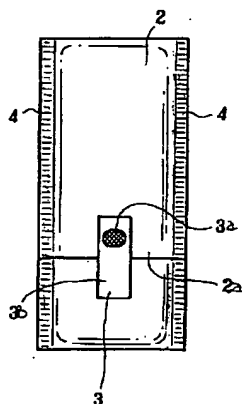
(3b) 剥離部

(4) サイドシール部

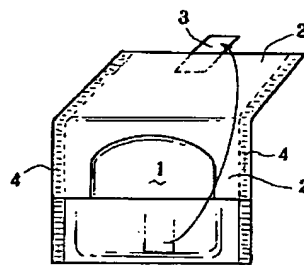
【図1】



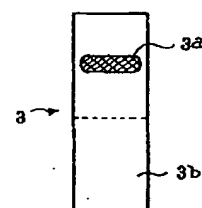
【図2】



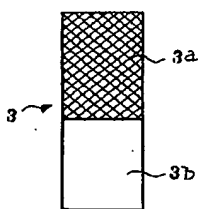
【図3】



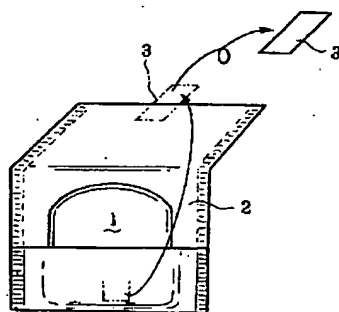
【図4】



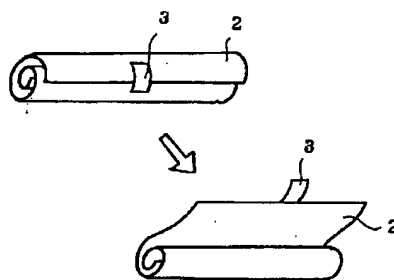
【図5】



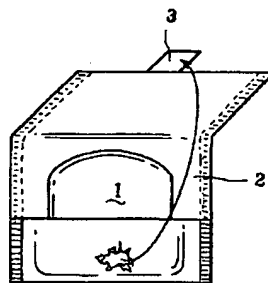
【図6】



【図7】



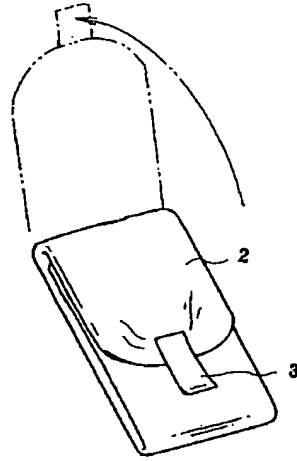
【図8】



(5)

特開平11-104167

【図9】



*** NOTICES ***

Japan Patent Office is not responsible for any damages caused by the use of this translation.

1.This document has been translated by computer. So the translation may not reflect the original precisely.

2.**** shows the word which can not be translated.

3.In the drawings, any words are not translated.

Bibliography

(19) [Country of Issue] Japan Patent Office (JP)

(12) [Official Gazette Type] Open patent official report (A)

(11) [Publication No.] JP,11-104167,A

(43) [Date of Publication] April 20, Heisei 11 (1999)

(54) [Title of the Invention] Individual package implements, such as sanitary items

(51) [International Patent Classification (6th Edition)]

A61F 13/15

[FI]

A61F 13/18 370

[Request for Examination] Tamotsu

[The number of claims] 5

[Mode of Application] FD

[Number of Pages] 5

(21) [Filing Number] Japanese Patent Application No. 9-289057

(22) [Filing Date] October 6, Heisei 9 (1997)

(71) [Applicant]

[Identification Number] 000001959

[Name] Shiseido Co., Ltd.

[Address] 7-5-5, Ginza, Chuo-ku, Tokyo

(72) [Inventor(s)]

[Name] Masuda A

[Address] 1050, Nippa-cho, Kohoku-ku, Yokohama-shi, Kanagawa-ken Inside of the first research center of Shiseido Co., Ltd.

(72) [Inventor(s)]

[Name] Takahashi Takahisa

[Address] 1050, Nippa-cho, Kohoku-ku, Yokohama-shi, Kanagawa-ken Inside of the first research center of Shiseido Co., Ltd.

(74) [Attorney]

[Patent Attorney]

[Name] Takeuchi **

[Translation done.]

*** NOTICES ***

Japan Patent Office is not responsible for any damages caused by the use of this translation.

1.This document has been translated by computer. So the translation may not reflect the original precisely.

2.**** shows the word which can not be translated.

3.In the drawings, any words are not translated.

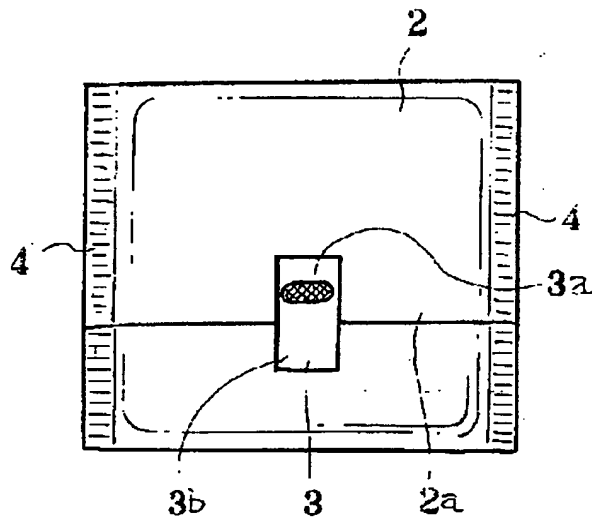
Epitome

(57) [Abstract]

[Technical problem] Without spoiling the package stability of the cover sheet which packs sanitary items etc. according to an individual, opening workability is improved and it enables it to carry out the reuse of the firm attachment tape.

[Means for Solution] While enabling disconnection of an individual package film on a firm attachment tape as sufficient reinforcement to open a side seal which closes both sides of an individual package film for bond strength of the firm attachment section by the side of a root of said firm attachment tape (3) in an individual package implement which attached firmly an opening edge (2a) of a cover sheet (2) which packed sanitary items etc. according to an individual on a firm attachment tape (3) It is characterized by making bond strength of the exfoliation section by the side of a tip of a firm attachment tape into reinforcement of a degree which does not damage an individual package film.

[Translation done.]



[Translation done.]

*** NOTICES ***

Japan Patent Office is not responsible for any damages caused by the use of this translation.

1.This document has been translated by computer. So the translation may not reflect the original precisely.

2.*** shows the word which can not be translated.

3.In the drawings, any words are not translated.

CLAIMS

[Claim(s)]

[Claim 1] An opening edge of an individual package film which packs sanitary items etc. according to an individual is attached firmly on a firm attachment tape. The firm attachment section formed in a root side of this firm attachment tape is fixed to the surface of an opening edge of an individual package film by hot melt. In individual package implements, such as sanitary items which the exfoliation section formed in a tip side was made to extend to a way outside an opening edge of an individual package film, and were pasted up on an individual package film free [exfoliation] As sufficient reinforcement to open a side seal which closes both sides of an individual package film for bond strength of the firm attachment section by the side of a root of a firm attachment tape, while enabling opening of an individual package film on a firm attachment tape Individual package implements, such as sanitary items

characterized by making bond strength of the exfoliation section by the side of a tip of a firm attachment tape into reinforcement of a degree which does not damage an individual package film.

[Claim 2] An individual package implement according to claim 1 characterized by setting peel strength of the exfoliation section by the side of a tip of a firm attachment tape to an individual package film to 10-400g / 15mm.

[Claim 3] An individual package implement according to claim 1 characterized by setting peel strength of the exfoliation section by the side of a tip of a firm attachment tape to an individual package film to 40-380g / 15mm.

[Claim 4] An individual package implement according to claim 1 characterized by setting peel strength of the exfoliation section by the side of a tip of a firm attachment tape to an individual package film to 100-250g / 15mm.

[Claim 5] It is the individual package implement according to claim 1 to 4 characterized by having been equal to bond strength of a side seal of an individual package film at least, and making bond strength by the side of a root of a firm attachment tape it being desirable and larger than this.

[Translation done.]

*** NOTICES ***

Japan Patent Office is not responsible for any damages caused by the use of this translation.

1.This document has been translated by computer. So the translation may not reflect the original precisely.

2.**** shows the word which can not be translated.

3.In the drawings, any words are not translated.

DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[The technical field to which invention belongs] This invention relates to the package implement used in order to pack sanitary items etc. according to an individual.

[0002]

[Description of the Prior Art] from the former, it was shown, for example in drawing 6 — as — thin — ** — when considering two or more sanitary items etc. as a one pack (1) and packing them in a box or a bag by wrapping sanitary items etc. in the individual package film (2) formed with resin films, such as flexible polyethylene and

polypropylene, according to an individual (1), or when carrying according to an individual, while making it storage space not become large, dirt of the contents at the time of carrying etc. is prevented. Moreover, in order to secure the package stability of the individual package film (2) which wraps in sanitary items etc. as mentioned above (1), as shown in this drawing, the opening edge of an individual package film (2) is attached firmly using the firm attachment tape (3) formed with adhesive tape, and he gathers this firm attachment tape (3) at the time of opening, and was trying to open an individual package film (2) in the former.

[0003] When adhesive strength of a firm attachment tape (3) is weakened and detachability of the firm attachment tape at the time of opening (3) is made high, however, a firm attachment tape (3) separates during handling, or When it is going to pack with an individual package film (2) and is going to stop on a firm attachment tape (3) for abandonment (1) of the sanitary items after use etc., as shown in drawing 7 , a firm attachment tape (3) may peel and attaching firmly may become inadequate. On the other hand, in order that the individual package film which there is a possibility that a firm attachment tape (3) may not separate easily, but may tear an individual package film (2) at the time of opening, and was fractured might paste up and cover to the adhesion side of a firm attachment tape (3) as shown in drawing 8 when the adhesive strength of a firm attachment tape (3) is too strong, the fault that the reuse of the firm attachment tape (3) could not be carried out at the time of abandonment was. Moreover, the above problems wrapped in sanitary items in the individual package philharmonic (2), as shown in drawing 9 , and also when attaching firmly and packing on a firm attachment tape (3), they were seen. After in the case of drawing 9 putting sanitary items on the upper surface of an individual package film (2) and folding up the both sides of an individual package film and a sanitary napkin together, it breaks into a longitudinal direction three, it is made it, and is made to have attached firmly on the firm attachment tape (3).

[0004]

[Problem(s) to be Solved by the Invention] While this invention improves opening workability, without spoiling the package stability of the individual package film which packs sanitary items etc. according to an individual and enables it to open an individual package film easily succeeding to exfoliation of a firm attachment tape, in order to wrap the sanitary items after use etc. in an individual package film and to attach firmly, it carries out the individual package implement carried out the firm attachment tape as it is reusable as an offer plug.

[0005]

[Means for Solving the Problem] A means which this invention took in order to solve the above-mentioned technical problem An opening edge of an individual package film which packs sanitary items etc. according to an individual is attached firmly on a firm attachment tape. The firm attachment section formed in a root side of this firm attachment tape is fixed to the surface of an opening edge of an individual package film by hot melt. In individual package implements, such as sanitary items which the

exfoliation section formed in a tip side was made to extend to a way outside an opening edge of an individual package film, and were pasted up on an individual package film free [exfoliation] As sufficient reinforcement to open a side seal which closes both sides of an individual package film for bond strength of the firm attachment section by the side of a root of a firm attachment tape, while enabling opening of an individual package film on a firm attachment tape It is characterized by making bond strength of the exfoliation section by the side of a tip of a firm attachment tape into reinforcement of a degree which does not damage an individual package film.

[0006] moreover, peel strength of the exfoliation section by the side of a tip of a firm attachment tape to an individual package film — 10-400 — it is preferably characterized by 40-380g / being referred to as 100-250g / 15mm still more preferably 15mm g/15mm.

[0007] Furthermore, it is characterized by having been equal to bond strength of a side seal of an individual package film at least, and making bond strength by the side of a root of a firm attachment tape it being desirable and larger than this.

[0008]

[Embodiment of the Invention] The gestalt of desirable implementation of this invention is explained to details, referring to drawing 1 - drawing 3 below. In addition, in drawing 1 -5, the same sign is given to the portion which has the same function as the conventional example shown in drawing 6 -9, and the detailed explanation is omitted. the individual package film (2) which wraps in sanitary items etc. according to an individual with reference to drawing 1 -5 (1) — thin — ** — it was formed with resin films, such as flexible polyethylene and polypropylene, and it wrapped in and the opening edge (2a) of the individual package film (2) in a condition is attached firmly on the firm attachment tape (3). The firm attachment tape (3) was formed in the surface of said opening edge (2a) in the firm attachment section by the side of the root by which adhesion immobilization is carried out (3a), and the exfoliation section (3b) by the side of the tip which extended to the way outside the opening edge (2a), and has secured the package stability of an individual package film (2) by sticking the exfoliation section (3b) on the surface of an individual package film (2). The seal of the both sides which an individual package film (2) counters was carried out in the side seal section (4), and they have contained sanitary items etc. (1). In addition, the starting individual package implement may be conventionally well-known, and the configuration of an individual package film (2) and a firm attachment tape (3), especially the quality of the material, etc. may not be limited, and may be which a conventionally well-known configuration and the quality of the material.

[0009] This invention fixes the firm attachment section (3a) of a firm attachment tape (3) to the surface of the opening edge (2a) of an individual package film (2) by hot melt in the starting individual package implement. The exfoliation section (3b) is made to extend to a way outside the opening edge (2a) of an individual package film (2). Or it enlarges. the strength of the degree which does not fracture an individual

package film (2) for whenever [adhesion / of this exfoliation section (3b)] — ** — or [carrying out / equal / both / to the adhesive strength of the side seal (4) of an individual package film in the bond strength of the firm attachment section of a firm attachment tape (2)] — It is characterized by making it a firm attachment tape not separate from an individual package film at the time of opening. In addition, after facing performing hot melt, applying hot melt adhesive to drawing 1 and 2 at the firm attachment section (3a) of a firm attachment tape (3) as shading showed, and carrying out adhesion immobilization on the surface of the opening edge (2a) of an individual package film (2), heating melting of the hot melt adhesive is conventionally carried out with a suitable well-known means, and predetermined adhesive strength is obtained.

[0010] When the firm attachment section (3a) of a firm attachment tape (3) is reinforced by hot melt, as shown in a table 1 as compared with a case, bond strength is rising. Although 0.005g coating was carried out in 1mmx10mm area, by fluctuating coating area or the amount of coating, the degree of bond strength is possible for hot melt, and it adjusts coating area and an amount if needed, and obtains necessary bond strength. the case where made bond strength of the exfoliation section (3b) of a firm attachment tape (3) into the reinforcement which does not fracture an individual package film (2), and width of face of a tape is set to 15mm — 10-400g / 15mm — desirable — 40-380 — they are 100 to 250g / 15mm most preferably g/15mm. If bond strength is lower than 10g, re-adhesive strength will become inadequate, and when wrapping the sanitary items after use etc. in a unit protection film (1) and discarding them, it becomes impossible to attach firmly on a firm attachment tape (3). Moreover, if higher than 400g, when exfoliating a firm attachment tape, there is a possibility that an individual package film may be fractured. From the seal reinforcement of the side seal section (4) of an individual package film (2), the bond strength of the firm attachment section (3a) of a firm attachment tape (3) is equal at least, and is set up more greatly [it is desirable and] than the seal reinforcement of the side seal section (4). The adhesive strength of the side seal section (4) was 5 - 400g / unit protection, and was 10 - 300g / unit protection in the actual measurement.

[0011]

[A table 1]

ホットメルト補強無し	130	114	200	210	112	183
ホットメルト補強有り	276	243	277	390	246	307

[0012] Tearing off the exfoliation section (3b) of a firm attachment tape (3) by a fingertip etc., as shown in drawing 3, when taking out the packed sanitary items (1), this exfoliation section (3b) is gathered, the side seal section (4) is fractured, and an

individual package film (2) is opened. Since it is [only being stuck on the individual package film (2) by the adhesive strength by the binder which does not apply hot melt adhesive to the exfoliation section (3b) of a firm attachment tape (3), but is applied to the rear face of a firm attachment tape (3) at this time, and], in spite of being able to lengthen the exfoliation section (3b) easily and being able to remove it, the firm attachment section (3a) does not separate from an individual package film (2).

[0013] Therefore, there is no need of making adhesive strength of a firm attachment tape (3) strong beyond necessity, and avoiding the blank of the firm attachment tape under the time of opening or handling (3), and the tear of the individual package film (2) about which the exfoliation section (3b) tears off and we are sometimes anxious can be prevented. Therefore, there is no need of distinguishing a binder with the firm attachment section (3a) and the exfoliation section (3b) of a firm attachment tape (3), and changing Ryobe's (3a) (3b) adhesive strength, and the rise of the manufacturing cost of a firm attachment tape (3) can be avoided.

[0014] In addition, the firm attachment section (3a) of a firm attachment tape (3) is faced fixing by hot melt. Usually, although what is necessary is to apply hot melt adhesive to drawing 4 at a part of firm attachment section (3a) as shading showed, and just to paste the opening edge (2a) of an individual package film (2) As shading showed, hot melt adhesive may be applied to drawing 5 all over the firm attachment section (3a), and adhesion area may be expanded. Hot melt adhesive may be applied to the opening edge (2a) side of an individual package film (2), and the firm attachment section (3a) of a firm attachment tape (3) may be stuck on this spreading portion.

[0015]

[Effect of the Invention] Since the firm attachment tape of the moderate adhesive strength which does not spoil detachability can be pasted up by sufficient adhesive strength for the opening edge of an individual package film according to the individual package implements, such as sanitary items concerning this invention, in spite of being able to avoid peeling of the firm attachment tape looked at by the handling middle class etc. and being able to make package stability high, the tear of the individual package film about which we are anxious at the time of opening can be avoided, and a reuse can be carried out in a firm attachment tape.

[Translation done.]

* NOTICES *

Japan Patent Office is not responsible for any damages caused by the use of this translation.

- 1.This document has been translated by computer. So the translation may not reflect the original precisely.
- 2.**** shows the word which can not be translated.
- 3.In the drawings, any words are not translated.

DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] The appearance perspective diagram showing the package condition by individual package implements, such as sanitary items concerning this invention

[Drawing 2] The appearance perspective diagram showing other package conditions by individual package implements, such as sanitary items concerning this invention

[Drawing 3] The appearance perspective diagram showing the opening condition of individual package implements, such as sanitary items concerning this invention

[Drawing 4] Rear-face drawing of the firm attachment tape in which the spreading field of hot melt adhesive is shown

[Drawing 5] Rear-face drawing of the firm attachment tape which has the complete-change form of the spreading field of hot melt adhesive

[Drawing 6] The perspective diagram at the time of opening which shows the conventional example of individual package implements, such as sanitary items

[Drawing 7] The perspective diagram showing the condition of abandonment of individual package implements, such as sanitary items

[Drawing 8] The perspective diagram at the time of opening which shows other conventional examples of individual package implements, such as sanitary items

[Drawing 9] The perspective diagram showing the conventional example of further others of identified cost method appliances, such as sanitary items

[Description of Notations]

- (1) Sanitary items etc.
- (2) Individual package film
- (2a) Opening edge
- (3) Firm attachment tape
- (3a) Firm attachment section
- (3b) Exfoliation section
- (4) Side seal section

[Translation done.]

* NOTICES *

Japan Patent Office is not responsible for any damages caused by the use of this translation.

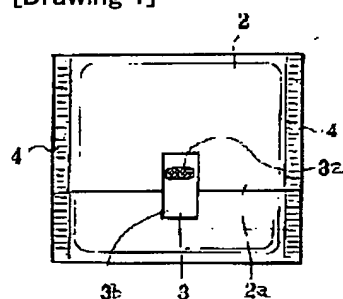
1. This document has been translated by computer. So the translation may not reflect the original precisely.

2. **** shows the word which can not be translated.

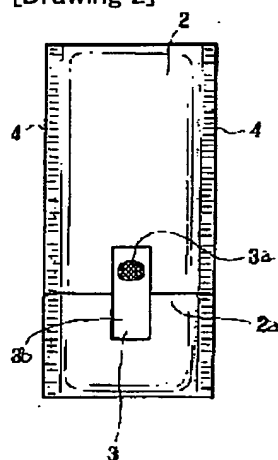
3. In the drawings, any words are not translated.

DRAWINGS

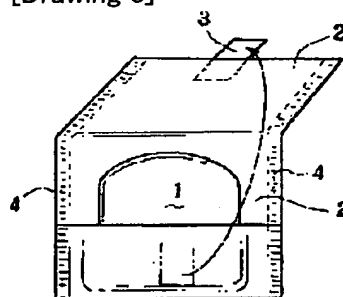
[Drawing 1]



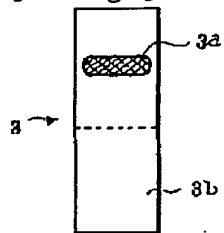
[Drawing 2]



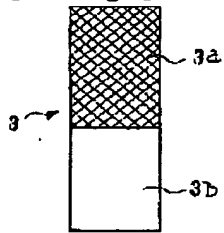
[Drawing 3]



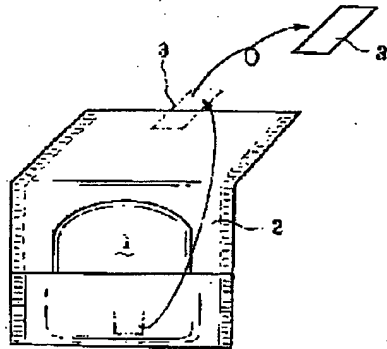
[Drawing 4]



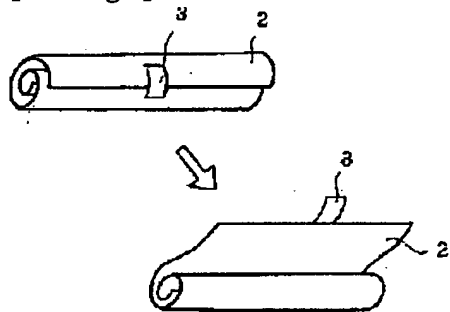
[Drawing 5]



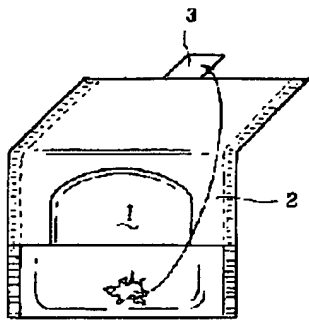
[Drawing 6]



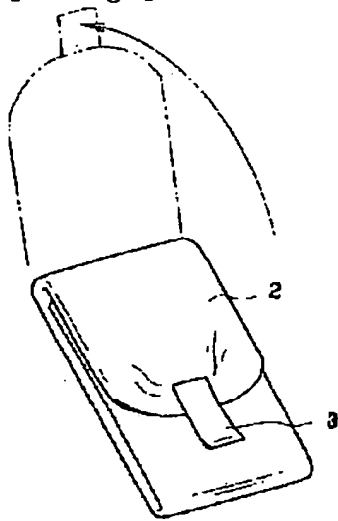
[Drawing 7]



[Drawing 8]



[Drawing 9]



[Translation done.]